

Clinical Trial Protocol

Iranian Registry of Clinical Trials

28 Jul 2026

The effect of Intraperitoneal lidocaine on pain after abdominal hysterectomy

Protocol summary

Summary

The aim of this study is the effect of intraperitoneal lidocaine on pain after abdominal hysterectomy. The exclusion criteria are: positive history of hepatitis; cardiovascular diseases; hypersensitivity to local analgesic agents; history of conclusion; asthma; addiction; cancer and concomitant surgeries. Fourthly patients who are candidate for abdominal hysterectomy will be recruited after giving informed consent and be randomly allocated in two groups: intervention and control. All patients undergo abdominal hysterectomy under general anesthesia. At the end of operation in supine position one of this two solution (50cc of 0.9% normal saline or 50cc of lidocaine 0.8% plus epinephrine 1/50000) will be infiltrated to the peritoneal cavity and then abdomen be closed. A patient with complication & any patient that the operation lasts more than 2 hours will be excluded from study. At the end all patients will be compared from the point of pain score after 12, 24 and 48 hours after operation, side effects, and the dose of narcotic & raise of satisfaction.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201207021306N6**

Registration date: **2012-07-18, 1391/04/28**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2012-07-18, 1391/04/28

Registrant information

Name

Ziba Zahiri

Name of organization / entity

Guilan University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 13 1322 5624

Email address

drzibazahiri@gums.ac.ir

Recruitment status

Recruitment complete

Funding source

Vice chancellor for research-Guilan University of Medical Sciences

Expected recruitment start date

2007-06-17, 1386/03/27

Expected recruitment end date

2008-07-07, 1387/04/17

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The effect of Intraperitoneal lidocaine on pain after abdominal hysterectomy

Public title

The effect of lidocaine on pain after abdominal hysterectomy surgery

Purpose

Treatment

Inclusion/Exclusion criteria

The exclusion criteria are: positive history of hepatitis; cardiovascular diseases; hypersensitivity to local analgesic agents; history of conclusion; asthma; addiction; cancer and concomitant surgeries. Inclusion criterion: all patient who are candidate for abdominal of hysterectomy.

Age

From **15 years** old to **45 years** old

Gender

Female

Phase

2

Groups that have been masked

No information

Sample size

Target sample size: **40**

Randomization (investigator's opinion)

Randomized

Randomization description**Blinding (investigator's opinion)**

Double blinded

Blinding description**Placebo**

Used

Assignment

Parallel

Other design features**Secondary Ids**

empty

Ethics committees**1****Ethics committee****Name of ethics committee**

Guilan University of Medical Sciences

Street address

Road Tehran, Faculty of Medicine

City

Rasht

Postal code**Approval date**

2007-05-22, 1386/03/01

Ethics committee reference number

431

Health conditions studied**1****Description of health condition studied**

Single delivery by caesarean section

ICD-10 code

O82

ICD-10 code description

O82.0

Primary outcomes**1****Description**

Evaluation of Pain

Timepoint

At hours 8, 12, 24 and 48 hours after surgery and after surgery at the time of movement

Method of measurement

Visual pain scale

Secondary outcomes**1****Description**

Side effects (dizziness, vomiting, nausea)

Timepoint

Within 24 hours after surgery.

Method of measurement

By Assistant

2**Description**

Dosage of drugs

Timepoint

Within 24 hours after surgery.

Method of measurement

By Assistant

3**Description**

Satisfaction levels

Timepoint

Within 24 hours after surgery.

Method of measurement

Ask the patient

Intervention groups**1****Description**

At the end of operation number1 solution(50cc of 0.9% normal saline) infiltrated within peritoneal cavity and then abdomen was closed

Category

Treatment - Drugs

2**Description**

At the end of operation number 2 solution(50cc of lidocain 0.8% plus epinephrine 1/50000) was infiltrate to the peritoneal cavity and then abdomen was closed

Category

Treatment - Drugs

Recruitment centers**1****Recruitment center****Name of recruitment center**

Alzahra hospital

Full name of responsible person

Street address

City

Rasht

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Vice chancellor for research-Guilan University of Medical Sciences

Full name of responsible person

Dr. Abdolrasol Sobhani

Street address

Vice Chancellor for research-Guilan University of Medical Sciences I, Namjoo street

City

Rasht

Grant name

Grant code / Reference number

Is the source of funding the same sponsor organization/entity?

Yes

Title of funding source

Vice chancellor for research-Guilan University of Medical Sciences

Proportion provided by this source

100

Public or private sector

empty

Domestic or foreign origin

empty

Category of foreign source of funding

empty

Country of origin

Type of organization providing the funding

empty

Person responsible for general inquiries

Contact

Person responsible for scientific inquiries

Contact

Name of organization / entity

Guilan University of Medical Sciences

Full name of responsible person

Dr.Ziba Zahiri

Position

Associated professor Guilan university of Medical

Science

Other areas of specialty/work

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Rasht.Namjo street.Alzahra hospital.Reproductive Health Research Center

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Person responsible for updating data

Contact

Name of organization / entity

Guilan University of Medical Sciences

Full name of responsible person

Seyedeh Fatemeh Dalil Heirati

Position

B.S.midwife

Other areas of specialty/work

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h_fertility@gums.ac.ir

Web page address

Sharing plan

Deidentified Individual Participant Data Set (IPD)

empty

Study Protocol

empty

Statistical Analysis Plan

empty

Informed Consent Form

empty

Clinical Study Report

empty

Analytic Code

empty

Data Dictionary

empty